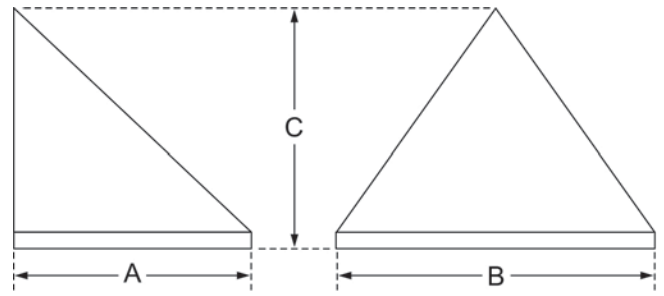


Sahara

ARCHITECTURAL



Dimensional Drawings



*approx lbs based on heaviest configuration w/packaging

Fixture	A	B	C	Max. Watt	EPA	Lbs
SAH-1	16"	16"	16"	175w	1.7	25
SAH-2	20"	20"	20"	250w	2.7	30
SAH-3	24"	24"	24"	400w	4.0	40

The **Sahara Series** blends contemporary architectural styling with advanced optics for superior lighting performance. The **flat lens, vertical lamp, IES full cut-off** luminaire is dark sky certified to restrict light trespass, glare, and light pollution.

The pyramid shape of the compact housing compliments the architectural styling of many contemporary buildings. A durable polyester powder coat finish is available in a wide array of architectural colors to enhance the design application.

Sahara is offered in three enclosure sizes and five distribution patterns. A wide selection of light sources from 70 through 400 watts is offered, in Metal Halide, High Pressure Sodium, and the new Pulse Start Metal Halide. High efficiency photometric performance allows for the use of fewer fixtures and poles with wider spacing, providing substantial cost savings.

Sahara is a perfect fixture for city plazas, conference centers, schools, museums, banks, and other architectural projects that benefit from unique architectural lighting.

Model No.	Optics	Wattage	Source	Voltage	Mounting	Finish	Options
SAH							
Model	Optics	Wattage	Source	Voltage	Mounting	Finish	Options
☐ SAH-1	☐ Type I (T1) ☐ Type II (T2)	☐ 70 (70) ☐ 100 (100) ☐ 150 (150) ☐ 175 (175)	PS, HPS PS, HPS PS, HPS MH (M), (P), (S) ☐ ☐ ☐	☐ 120 (1) ☐ 208 (2) ☐ 240 (3) ☐ 277 (4) ☐ 480 (5) ☐ M.Tap (6)	☐ Bolt-On Arm 6" (BOA6) ☐ Bolt-On Arm 10" (BOA10)	☐ Bronze (BZ) ☐ Black (BK) ☐ White (WH) ☐ Green (GN) ☐ Grey (GY) ☐ Silver Metallic (SL) ☐ Custom (CC)	<u>Photo Cell</u> *Specify voltage ☐ (PC120) ☐ (PC208) ☐ (PC240) ☐ (PC277) ☐ Quartz Restrike (QR) ☐ Light Shield (LS)
☐ SAH-2	☐ Type III (T3)						
☐ SAH-3	☐ Type IV (T4) ☐ Type V (T5)	☐ 320 (320) ☐ 400 (400) *Reduced Envelope Lamp on 400w	PS MH, PS, HPS (M), (P), (S) ☐ ☐ ☐	☐ 5-Tap (7)			☐ Round Pole Plate Adaptor (RPP)

For more detailed information on mounting, wiring, or installation instructions, please consult factory. Note that if Poles are not ordered with fixtures, please specify the mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



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Sahara

Housing

- The housing and door frame are constructed from corrosion resistant, (CNC) sheared and formed, .080 gauge aluminum.
- All external hardware is stainless steel.

Lens and Door Assembly

- The lens is a clear, tempered, flat glass, fully enclosed and gasketed with premium silicone gasketing, and secured by galvanized lens retainers.

Optical System

- High performance vertical lamp, multi-faceted, segmented, 95% reflectance anodized aluminum reflectors. CNC cut and bent for precision and consistency. Available in 5 distribution patterns.
- Field rotatable reflector (except Type V).
- Tool-less reflector entry.

Quali-Guard® Finish

- Aluminum fixture components are chemically pretreated through a multiple stage washer and finished with an electrostatically applied, thermoset polyester powder coat textured paint with a minimum of 3 to 5 mils thickness. Finish is oven baked at a temperature of 400 degrees Fahrenheit to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.

Mounting

- A rounded extruded aluminum, bolt-on-arm (BOA), with an in-pole nut plate, securing (2) 1/2 inch zinc running bolts with stainless steel hardware is standard. A Round Pole Plate Adaptor (RPP) is required for mounting to 3" -5" Round Poles.


Electrical Assembly

- All ballasts are premium CWA or HPF auto transformer, available in Metal Halide, High Pressure Sodium and Pulse Start Metal Halide. Ballast is capable of providing consistent lamp starting down to -20 degrees Fahrenheit.
- Socket is a glazed porcelain medium or mogul base with nickel plated contacts, rated at 4KV and 600V.

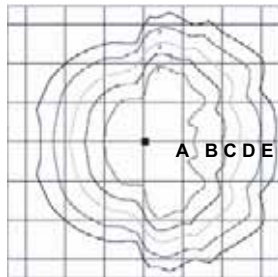
Options

- Fixtures available with a variety of options, including internal light shield, photo cell, photo receptacle with shorting cap, and fusing.

Listings

- Sahara is  Listed, suitable for wet locations.
- **Dark Sky Friendly®** certified by the International Dark Sky Association. (Flat Lens Type III or Type V models only.)

Isolux Curves

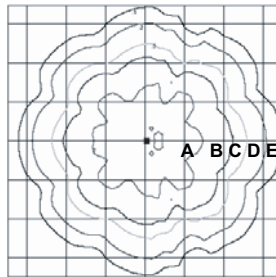


Size Three

Type III 175w
MH VLF 20ft
Mounting Height

Foot Candle Key:
A=2, B=1, C=.5,
D=.2, E=.1

1 Block=30ft



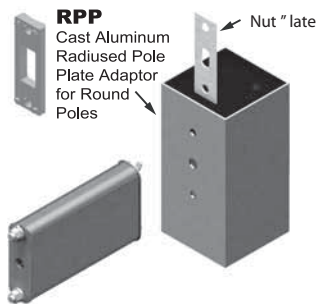
Size Three

Type V 250w
MH VLF 20ft
Mounting Height

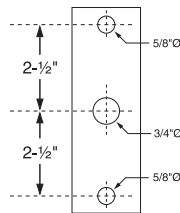
Foot Candle Key:
A=2, B=1, C=.5,
D=.2, E=.1

1 Block=30ft

Bolt-On-Arm Detail



6" Tall Arm Drill Pattern



Cast Wall Plate









For use with Standard 6 Tall Bolt-On Arm.

6" or 10" Long x 6" Tall x 2" Wide

BAWP - 10" Tall x 6 1/2" Wide

EPA Data

Fixture with Arm						
SAH-1	2.3	4.4	4.6	6.4	5.5	8.0
SAH-2	3.3	6.6	6.6	8.2	7.3	11.2
SAH-3	4.3	8.4	8.6	10.2	9.3	12.9